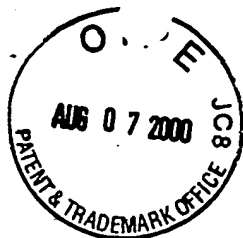


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#4
PATEN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Barry et al.

Serial No.: 09/598,558

Filed: June 21, 2000

For: METHODS AND APPARATUS
FOR PROVIDING MANIFOLD
ARRAY (MANARRAY) PROGRAM
CONTEXT SWITCH WITH ARRAY
RECONFIGURATION CONTROL

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date set forth below:

Signed:

Name: Tlynthia Jordan

Date: August 4, 2000

Group: Not Yet Assigned

Examiner: Not Yet Assigned

Chapel Hill, North Carolina
August 4, 2000

Assistant Commissioner
For Patents
Washington, DC 20231

Transmittal of Six Sheets of Formal Drawings

Sir:

Transmitted herewith are six sheets of formal drawings (Figs. 1-5B) for the above identified case.

Respectfully submitted,

Peter H. Priest
Reg. No. 30,210
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FIG. 1

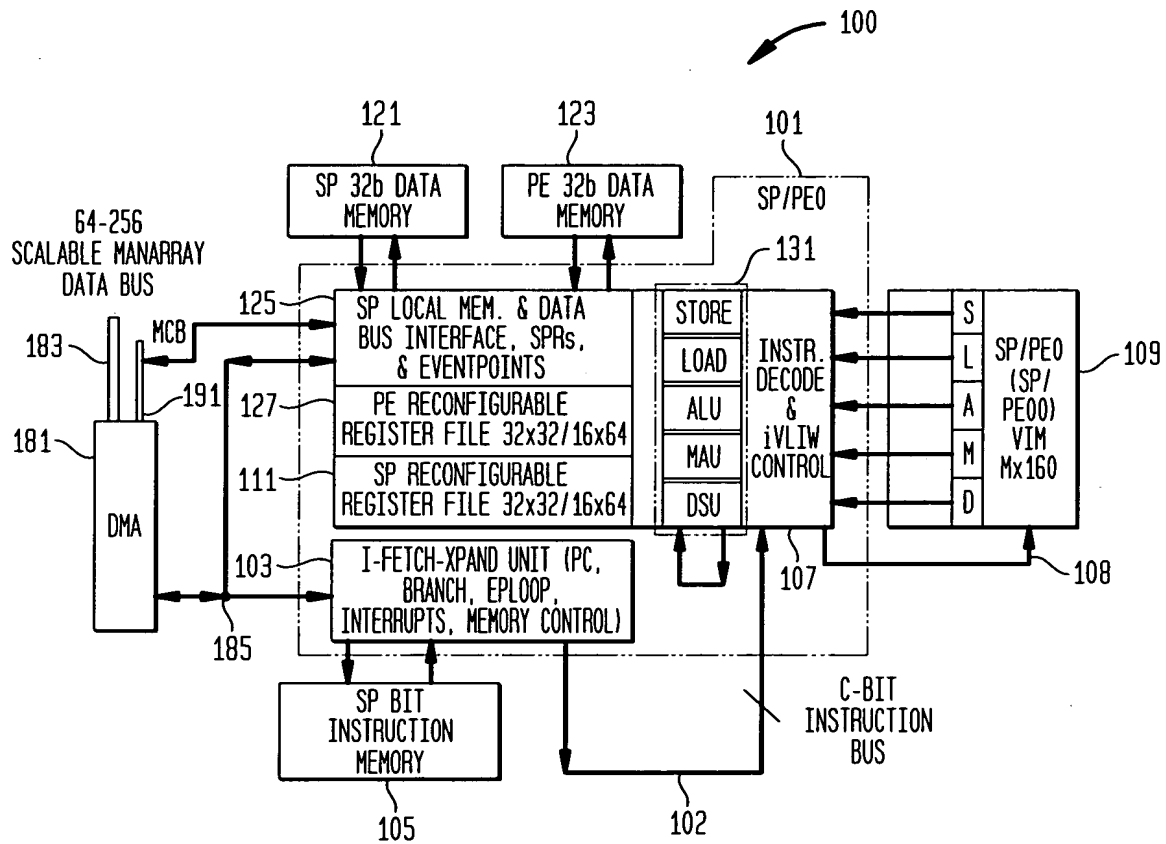


FIG. 2

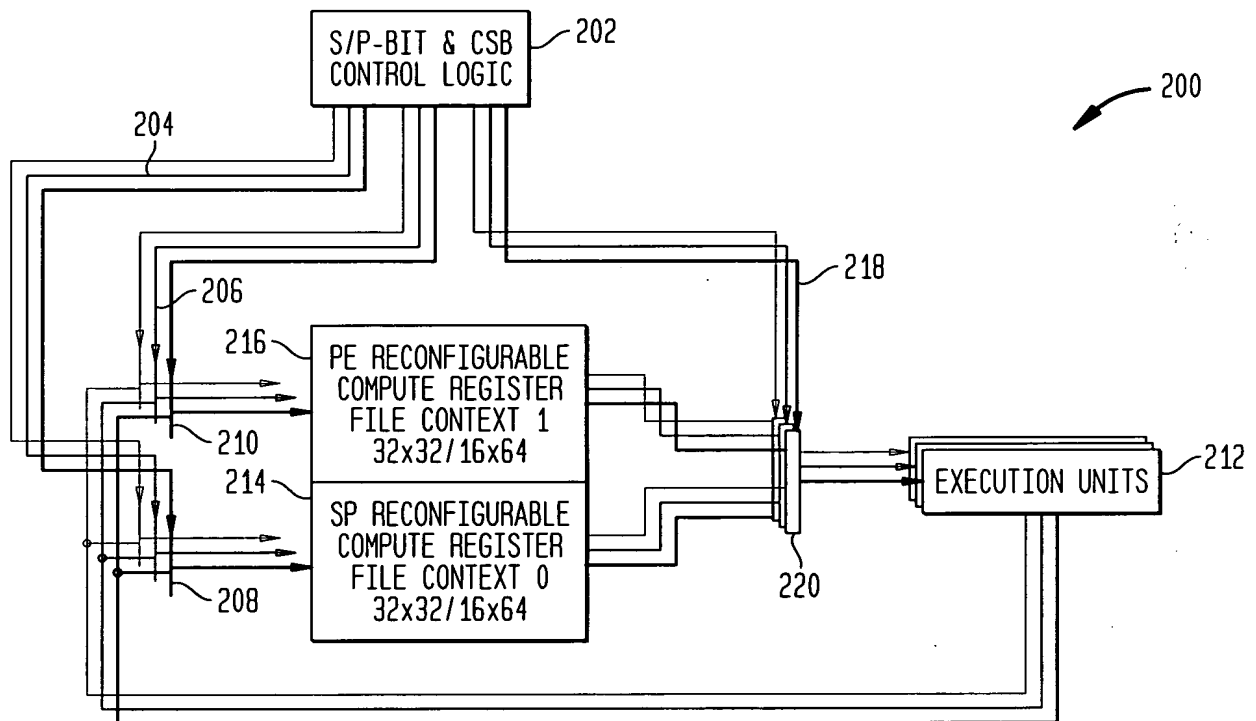


FIG. 3

MANARRAY ARCHITECTURE INSTRUCTION TYPE			
0	SP ONLY INSTRUCTION		
1	PE ONLY INSTRUCTION		

304	PHYSICAL MxN	CSB	S/P	OPERATING MxN	COMMENTS
320	1x1	0	0	1x1	SP INSTRUCTIONS USE ONLY THE SP's CONTEXT-0 REGISTER FILES
322	1x1	0	1	1x1	PE INSTRUCTIONS USE ONLY THE PE0's REGISTER FILES
324	1x1	1	0	1x0	SP INSTRUCTIONS USE ONLY THE PE0's CONTEXT-1 REGISTER FILES
326	1x1	1	1	1x0	PE INSTRUCTIONS TYPICALLY NOT USED
330	1x2	0	0	1x2	SP INSTRUCTIONS USE ONLY THE SP's CONTEXT-0 REGISTER FILES
332	1x2	0	1	1x2	PE INSTRUCTIONS USE ONLY THE PE0's AND PE1's REGISTER FILES
334	1x2	1	0	1x1	SP INSTRUCTIONS USE ONLY THE PE0's CONTEXT-1 REGISTER FILES
336	1x2	1	1	1x1	PE INSTRUCTIONS USE ONLY THE PE1's REGISTER FILES
340	1x5	0	0	1x5	SP INSTRUCTIONS USE ONLY THE SP's CONTEXT-0 REGISTER FILES
342	1x5	0	1	1x5	PE INSTRUCTIONS USE ONLY THE PE0-4's REGISTER FILES
344	1x5	1	0	2x2	SP INSTRUCTIONS USE ONLY THE PE0's CONTEXT-1 REGISTER FILES
346	1x5	1	1	2x2	PE INSTRUCTIONS USE ONLY THE PE1-4's REGISTER FILES

FIG. 4

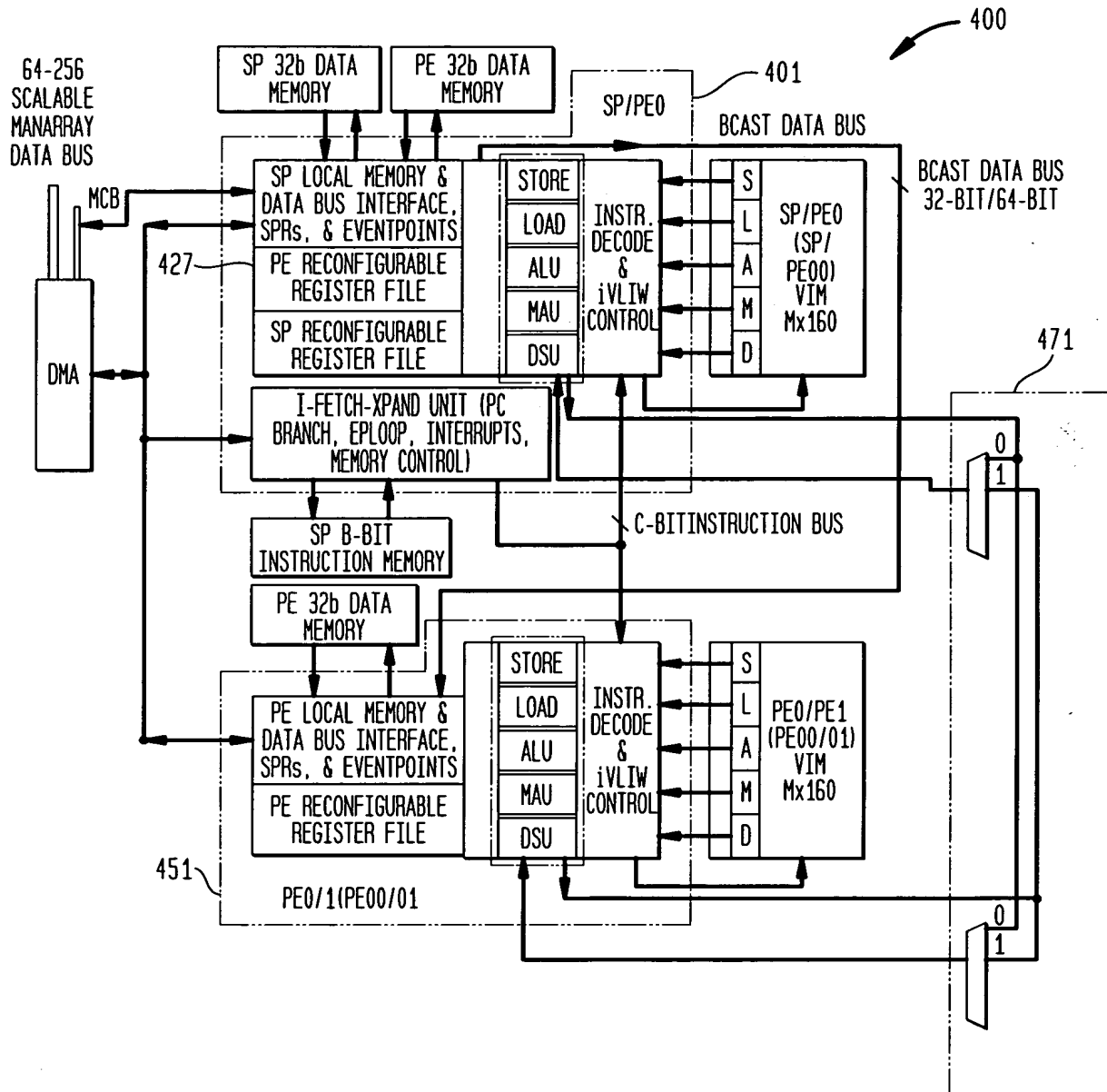


FIG. 5A

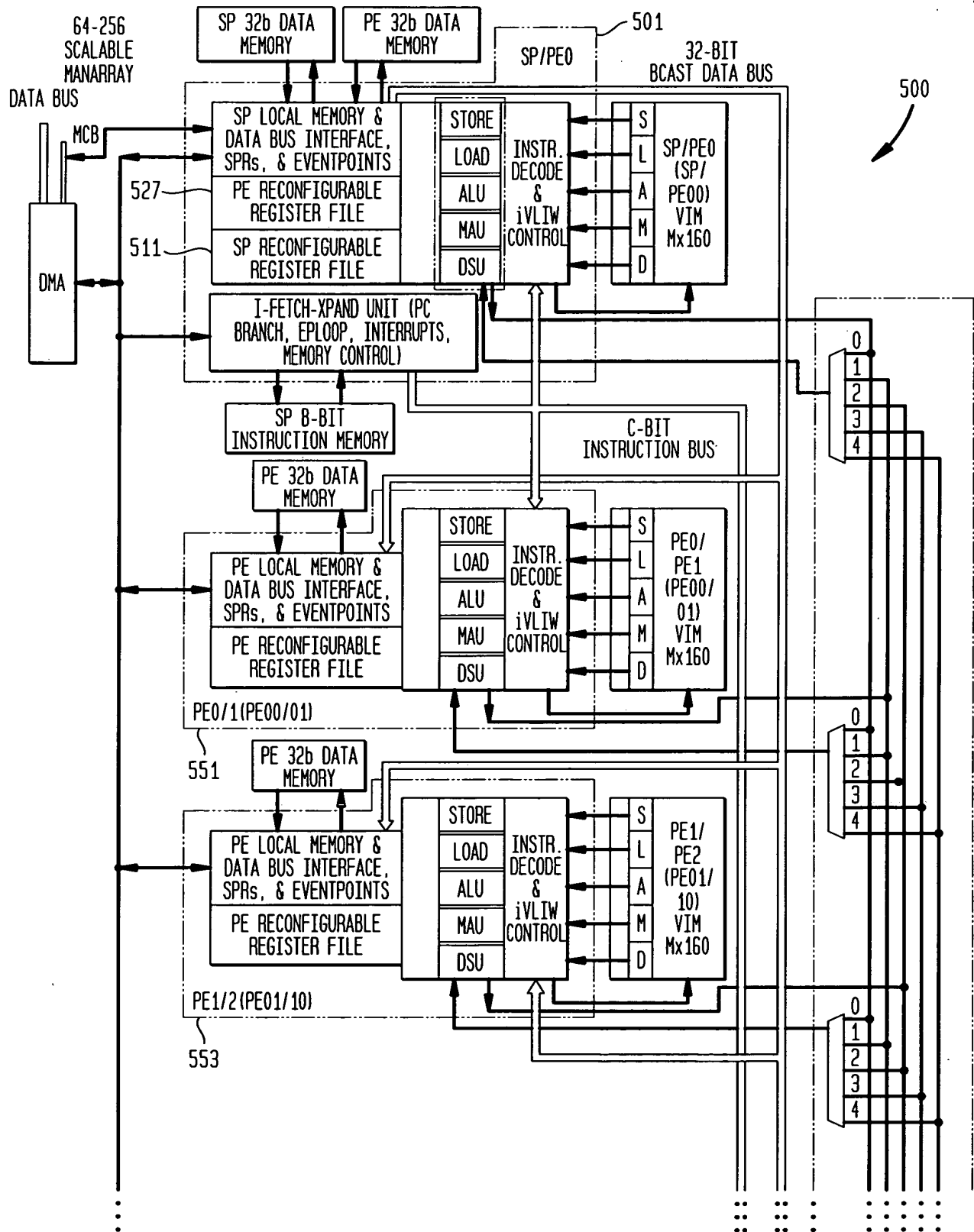


FIG. 5B

